National Transportation Safety Board NTSB ID: DCA05RA041 Aircraft Registration Number: CGPAT FACTUAL REPORT Occurrence Date: 03/06/2005 Most Critical Injury: Occurrence Type: Accident Investigated By: ETYBOP Location/Time Nearest City/Place State Zip Code Local Time Time Zone 0202 **EST** Veradero Distance From Landing Facility: Direction From Airport: Airport Proximity: Aircraft Information Summary Aircraft Manufacturer Model/Series Type of Aircraft Airbus A310 Airplane Sightseeing Flight: No Air Medical Transport Flight: No

Narrative

Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:

On March 6, 2005, at approximately 0202 eastern standard time, an Airbus 310, operated by Air Transat as flight 961, from Veradero, Cuba to Quebec City, Canada, experienced a loss of the rudder while in cruise flight at FL350, 90 miles south of Miami, Florida. The airplane returned to Veradero, Cuba. There were no injuries to the 261 passengers or 9 crew members.

The NTSB has provided an accredited representative and technical advisors in the areas of structures, systems, materials, aircraft performance, radar analysis, ATC, system safety, flight recorders and image analysis as well as coordinating efforts with FAA and NASA, to assist all technical groups.

The link below connects to the TSB-Canada update page for this investigation.

<http://www.tsb.gc.ca/en/reports/air/2005/a05f0047/a05f0047_update_20050504.asp>

National Transportation Safety Board FACTUAL REPORT AVIATION

NTSB ID: DCA05RA041

Occurrence Date: 03/06/2005

AVIATION			Occurrence Type: Accident										
Landing Facility/Approach In	formation												
Airport Name Airpo				: A		port Elevation Runway Used Ft. MSL			Runwa	Runway Length			vay Width
Runway Surface Type:							_						
Runway Surface Condition:													
Type Instrument Approach:													
VFR Approach/Landing:													
Aircraft Information													
Aircraft Manufacturer Airbus			Mod A3	del/Se 10	ries					Serial	Number		
Airworthiness Certificate(s):													
Landing Gear Type:													
Homebuilt Aircraft? No	mebuilt Aircraft? No Number of Seats: C					Certified Max Gross Wt.					er of Er	ngines	:
Engine Type: En					Engine Manufacturer: Model/Series:							Rate	ed Power:
- Aircraft Inspection Information													
Type of Last Inspection Date				Date of Last Inspection Time Since				nce Last Inspection Hours			Airfrai	Airframe Total Time Hours	
- Emergency Locator Transmitter (ELT) Information										<u> </u>		
ELT Installed? ELT Operated? ELT Aided in Locating Accident Site?													
Owner/Operator Information	•												
					Street Address								
				City								te	Zip Code
Operator of Aircraft Street Address													
AIR TRANSAT A T INC				City							Sta	te	Zip Code
Operator Does Business As: Operator Designator Code: ATFF													
- Type of U.S. Certificate(s) Held:													
Air Carrier Operating Certificate(s)	: Foreign Operatio	on											
Operating Certificate: Operator Certificate:													
Regulation Flight Conducted Unde	r: Non-U.S., Com	mercial											
Type of Flight Operation Conducted	d: Scheduled; Inte	rnation	nal; Pass	enge	r Only								
]	FACTU	J AL REF	PORT	- AVIATI	ON							Page 2

National Transportation Safety Board

FACTUAL REPORT

AVIATION

NTSB ID: DCA05RA041

Occurrence Date: 03/06/2005

AVIA	Occurrence Type: Accident												
First Pilot Information													
Name City							S				e Date of Birth		Age
Sex: Seat Occupied: Principal Profession: Certificate Number:													
Certificate(s):													
Airplane Rating(s):													
Rotorcraft/Glider/LTA:													
Instrument Rating(s):													
Instructor Rating(s):													
Type Rating/Endorsemer	nt for Accident/I	ncident Aircra	ıft?			Cı	urrent B	iennial F	light R	eview	?		
Medical Cert.:	Medic	cal Cert. Statu	s:					Dat	e of La	st Me	dical Ex	kam:	
	•							•					
- Flight Time Matrix	nt Time Matrix All A/C This Make and Model Airplane Airplane Single Engine Mult-Engine				Night	ght Insti		Instrument	ument Simulated		totorcraft	Glider	Lighter Than Air
Total Time													
Pilot In Command(PIC)	Command(PIC)								\perp				
Instructor						\dashv				\perp			
Last 90 Days										+			
-	Last 30 Days									+			
Last 24 Hours	1				 -						Τ,	1.500	
Seatbelt Used? Shoulder Harness Used? Toxicology Performed? Second Pilot?													
Flight Dies /Itie													
Flight Plan/Itinerary Type of Flight Plan Filed:	IED												
	IFK				Τ,	State		A:				·	T' 7
Departure Point Veradero								Airport Identifier Departure Time T MUVR			Time Zone		
Destination State Airport Identifier													
Quebec City							CYQB						
Type of Clearance:					•		•						
Type of Airspace:													
Weather Information													
Source of Briefing:													
Method of Briefing:													
			FACTUAL	L REPORT	- AVIAT	OI	N						Page 3

National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: DCA05RA041

Occurrence Date: 03/06/2005

Occurrence Type: Accident

	ETYBOP	Occurrent	Occurrence Type: Accident										
Weather Information													
WOF ID	Observation Time	Time Zone	WOF Elevati	ion	WOF Distance From Accident Site				Direction From Accident Site				
			 	. MSL	NM					Deg. Mag.			
	<u> </u>		IVIOL	<u> </u>				Deg. Mag.					
Sky/Lowes	st Cloud Condition:			Ft. AGL Condition of					Light:				
Lowest Ceiling: Ft					Visibi	Visibility: 10 SM A				Altimeter: "Hg			
Temperatu	ure: °C	°C	Wind	/ind Direction: 320 Density Altitude:									
Wind Spee	ed: 8	Gusts:		Weath	Weather Condtions at Accident Site: Visual Conditions								
Visibility (F	RVR): Ft	t. Visibility (F	₹VV)	SM	Intensity of Precipitation:								
Restriction	ns to Visibility:												
Type of Pr	ecipitation:												
Accident Information													
Aircraft Da	mage: Substantial	Aircraft Fire	e:	Aircraft Explos					n				
Classificati	ion:												
- Injury Su	mmary Matrix	Fatal S	Serious Mino	or	None	TOTAL							
First Pi	ilot	TL			0	(
Second	d Pilot				0	(
Studer	nt Pilot						7						
Flight I	nstructor						1						
Check	Pilot						1						
Flight E	Engineer						1						
Cabin /	Attendants				0	(
Other (Crew						1						
Passer	ngers	+		$\neg \vdash$	0	(5						
- TOTAL /	ABOARD -				0	(5						
Other (Ground	+					7						
- GRAND TOTAL - 0 0													

National Transportation Safety Board

NTSB ID: DCA05RA041

National Hamportation Safety Board		
FACTŲAL REPORT	Occurrence Date: 03/06/2005	
FACTUAL REPORT AVIATION	Occurrence Type: Accident	
Administrative Information		
Investigator-In-Charge (IIC)		
William English		
Additional Persons Participating in This Accident/Incide	ent Investigation:	
Dan Diggins		